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(54) Title: **PYROVALERONE ANALOGS AND THERAPEUTIC USES THEREOF**

(57) Abstract: New compounds that bind to monoamine transporters are described. The compounds of the present invention can be racemic or pure-*R*- or *S*-enantiomers. Certain preferred compounds of the present invention have a high selectively dopamine transporter versus the serotonin transporter. Preferred monoamine transporters for the practice of the present invention include the dopamine transporter, the serotonin transporter and the norepinephrine transporter.

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